

AIM Ann Report  
1930 to 1931

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ANNUAL REPORT  
OF THE  
AUCKLAND  
INSTITUTE  
AND MUSEUM  
1930-31.



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Adopted at the Annual General  
Meeting held on 27th May, 1931.

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AUCKLAND:  
Printed by N.Z. Newspapers, Ltd., at the "Star" Office, Shortland Street.

1931.

### Staff of the Museum.

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|                                  |          |   |
|----------------------------------|----------|---|
| Director                         | .. . . . | GILBERT ARCHEY, O.B.E.,<br>M.A., F.Z.S. |
| Assistant Director and Zoologist | ..       | L. T. GRIFFIN, F.Z.S.                   |
| Botanist                         | .. . . . | LUCY M. CRANWELL, M.A.                  |
| Ornithologist                    | .. . . . | R. A. FALLA, M.A.                       |
| Conchologist and Palaeontologist | ..       | A. W. B. POWELL.                        |
| Assistant Ethnologist            | .. . . . | V. F. FISHER.                           |
| Librarian                        | .. . . . | M. C. CLELAND.                          |
| Recorder                         | .. . . . | EDWIN LEECE.                            |
| Bookkeeper and Typist            | .. . . . | MURIEL PORTER.                          |
| Typist                           | .. . . . | J. TURNER.                              |
| Taxidermist                      | .. . . . | E. C. DOVER.                            |
| Cabinetmaker and Joiner          | .. . . . | FRANK QUAYLE.                           |
| Custodian                        | .. . . . | W. HAWKE.                               |

#### Attendants:

E. PURDOM, J. L. DAVY, D.C.M., E. PIERARD, M. HOLDSWORTH,  
J. STEWART.



OFFICERS  
OF THE  
AUCKLAND INSTITUTE  
AND  
MUSEUM  
1931-1932.

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PROFESSOR A. P. W. THOMAS,  
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MR. H. E. VAILE.

*Secretary:*

GILBERT ARCHY, M.A., F.Z.S.

The following  
Periodicals and Publications of Societies  
are subscribed to by the Institute :

NATURE.  
DISCOVERY.  
SCIENCE PROGRESS.  
REPORT OF THE BRITISH ASSOCIATION FOR THE ADVANCE-  
MENT OF SCIENCE.  
TRANSACTIONS AND PROCEEDINGS OF THE ROYAL SOCIETY.  
COMPTES RENDUS DES SEANCES DE L'ACADEMIE DES  
SCIENCES.  
NEW ZEALAND JOURNAL OF SCIENCE AND TECHNOLOGY.  
THE MUSEUMS JOURNAL.  
  
THE PHILOSOPHICAL MAGAZINE.  
THE AMERICAN JOURNAL OF SCIENCE.  
THE PHYSICAL REVIEW.  
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY.  
  
JOURNAL OF THE CHEMICAL SOCIETY.  
ARCHIV DER PHARMAZIE.  
MONATSHEFTE FUR CHEMIE.  
THE INDUSTRIAL CHEMIST.  
  
THE GEOLOGICAL MAGAZINE.  
QUARTERLY JOURNAL OF THE GEOLOGICAL SOCIETY.  
THE GEOGRAPHICAL JOURNAL.  
  
ANNALS AND MAGAZINE OF NATURAL HISTORY.  
ANNALS OF BOTANY.  
JOURNAL OF BOTANY.  
DAS PFLANZENREICH.  
  
TRANSACTIONS AND PROCEEDINGS OF THE ZOOLOGICAL SOCIETY  
THE ZOOLOGICAL RECORD.  
PUBLICATIONS OF THE RAY SOCIETY.  
THE IBIS.  
  
MAN.  
JOURNAL OF THE ROYAL ANTHROPOLOGICAL INSTITUTE.  
ANTIQUITY.  
JOURNAL OF EGYPTIAN ARCHAEOLOGY.  
OCEANIA.  
JOURNAL OF THE POLYNESIAN SOCIETY.  
TE WANANGA.  
ART IN NEW ZEALAND.  
  
MIND.  
THE ECONOMIC JOURNAL.  
THE ECONOMIC RECORD.  
JOURNAL OF THE STATISTICAL SOCIETY.

## Reports to Members.

### President.

The first complete year in the new building has been an exceedingly active one, and great progress has been made in all departments. The Auckland Institute and Museum is fast taking its proper place in the world of Education, and the Museum is a vast object lesson where articles written about and spoken of may be actually seen. The large attendances at lectures and at the building are evidences of steadily increasing interest and usefulness.

**Membership.**—At the beginning of the year the roll stood at 643, including 155 life members; and at the end, 630, including 159 life members. Although this is much larger than any similar society in New Zealand, it must be recognised that membership is the life blood of the organisation, and every possible effort must be made to increase it.

**Meetings.**—Ten well-attended meetings of the Council have been held, and the usual number of sub-committee meetings. Members of the Council have done active field work and rendered much other assistance, with valuable results.

**Finance.**—As will be seen from the accounts, the total income for the year was £8,500. The total expenditure was £9,171, but this included some of the money remaining from the sale of the Princes Street site. £1,400 odd is carried forward as being necessary to make payments in April and May, as contributions from local bodies are not payable till June. Like all virile and expanding institutions, money is always in short supply, and much more valuable work could be done if the income were greater.

**Local Bodies.**—In October about 200 members of Local Bodies accepted an invitation to inspect the Museum, when various demonstrations were given by members of the staff. It is hoped to have a similar function this year.

**Rules.**—The rules were completely revised and printed during the year.

**Obituary.**—We have to record with much regret the loss by death of the following members:—Miss A. B. Vaile, Messrs. T. L. Bates, J. M. Crosher, Jno. Wilson, P. E. Cheal, J. A. Stewart, and J. G. H. MacKay; also Mr. A. Philpott, who gave much sterling work as Hon. Entomologist, and Mr. H. Carse, who rendered valuable service to botanical research.

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**Memorial Gallery.**—This has been embellished by the placing of a dignified bronze wreath upon the shrine and by additions to the War collections. It is understood that the Returned Soldiers' Association will soon begin the placing of names on the spaces provided, and the next improvement desirable is the replacement of the present windows by stained glass panels representing various war services. To this end collecting boxes have been provided, and it is hoped that the public will generously respond.

**Improvements.**—A neat bronze memorial has been erected to the memory of the late Dr. T. W. Leys, and, with the assistance of a few members, an order has been placed for a pair of bronze busts of Maoris. Thanks are due to the City Council for great improvements to the surroundings of the War Memorial, and to the Power Board for its offer to light the building.

**Staff.**—All members of the staff have worked together with commendable enthusiasm and devotion to duty, and the attendants have carried out their work very satisfactorily. Warm thanks are due to many who have done voluntary work.

**The Future.**—More exhibition cases are urgently required, and the groups for which there is proper accommodation should also be set up. Much more field work should be undertaken, and, with a better income, there are numerous directions in which the Auckland Institute and Museum could improve its educational services to the public. Our need is, and probably always will be—more Money.

H. E. VAILE.

## Chairman, Trust Board.

Five meetings of the Board were held during the year, one of which took the form of an inspection by members of the city and suburban freehold properties held by the Board as securities for first mortgage. The Board valued the properties in view of the present conditions, and it was found that the total valuations were £13,630, on which there are mortgages totalling £6,200.

£500, which was available at the beginning of the year, was invested in Local Body Debentures.

The Capital Funds of the Institute have increased by £146 6s. 5d., including £52 10s. 0d. Life Members' subscriptions, and £93 16s. 5d. sales of land.

Invested funds now total £28,141 17s. 8d.

A. P. W. THOMAS.

## Director.

**Institute Meetings.**—To the usual programme of six public lectures and three ordinary meetings, we were fortunately able to add four special lectures by Dr. Peter Buck, Mr. Edgar F. Stead, Mr. R. A. Falla and Professor E. Percival, the last being under the joint auspices of the Institute and the Auckland Acclimatisation Society. The average attendance of 240 shows that the lectures were appreciated by members and the public.

The lectures given were as follow:—

Dr. Peter H. Buck, D.S.O.—“The Diversity of Polynesian Culture.”

Mr. J. W. Shaw, M.A.—“Primitive Mind.”

Mr. L. Alfred Eady—“The Development of Musical Instruments.”

Mr. Gilbert Archey, M.A.—“Prehistoric Man.”

Mr. Edgar F. Stead—“New Zealand Bird Life.”

Professor F. P. Worley, M.A., D.Sc.—“Ultra-microscopic Particles.”

Mr. W. R. McGregor—“Animal Life in New Guinea.”

Mr. R. A. Falla, M.A.—“Antarctic Birds and Mammals.”

Mr. A. Eisdell Moore, M.D., F.R.C.S.—“The Surgery of the Digestive Tract.”

Professor Edward Percival, B.Sc.—“The Economics of the Stream.”

Mr. Moore's address, which was illustrated with cinematograph films, was a much appreciated contribution to our programme by the Auckland branch of the British Medical Association.

We have also to thank the Council of the Auckland University College for granting the use of the College Hall for our lectures.

**Anthropology and Maori Race Section.**—The past year, the ninth of the Section's activities, has been one of maintained progress, both in membership and in interest in the lectures and meetings.

The following lectures were given:—

Mr. V. F. Fisher (Chairman)—“Flax and Its Importance to the Maori.”

Captain G. Humphreys-Davies—“With Cinema Through the Malay States.”

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Mr. G. Arehey—"Primitive Art and Craft Forms."

Mr. P. Smyth—"Evolution of Written Maori."

Mr. A. T. Pycroft—"Maori Fowling."

"Ngo mahi raranga" (the arts of weaving)—a demonstration of flax plaiting by lady members of the Akarana Association.

A most successful field day was held at the Orakei native village, at the invitation of the Ngati-Whatua people, in co-operation with the Akarana Maori Association, when a demonstration was given of cooking in the "hangi."

The visitors were welcomed by Mr. Hotene Paora, and a totara tree was planted, and named Te Kapenga, as a memento of the occasion.

**Astronomical Section.**—The membership of the Auckland Astronomical Society, which is a section of the Auckland Institute, remains at about the same number as last year, and its activities have been continued along the usual lines. Popular lectures, which have been well attended by the public, as well as by members, have been given by Professor Burbidge, Mr. N. S. Alexander, Mr. N. H. Good, Professor H. W. Segar, Dr. D. Brown, Mr. J. P. Artha, Mr. R. A. McIntosh, and Mr. E. G. Jones. In addition, one technical paper was given by Mr. J. P. Artha.

The observatory, which is still in the grounds of the old Grammar School, has been open on fine Tuesday evenings; but partly owing to unsuitable weather and partly to the unsatisfactory site of the telescope, few members have availed themselves of the opportunity to use it. The committee still has in view the possibility of moving it to a more suitable position.

During the year the Society has been greatly indebted to Mr. J. P. Artha for furnishing, at each monthly meeting, a summary of interesting astronomical events. The committee also wishes to thank the University College Council for the continued use of the telescope and the lecture room.

**Additions to the Collections.**—While fewer large gifts have been received during the past year than in the preceding twelve months, the large number of individual accessions, 162 more than in 1929-30, indicates the widespread support that the Museum continues to receive from the public.

Several valuable accessions are recorded in the departmental reports, but I should like to draw attention here to the President's



many gifts, particularly the Maori collection. During the year he has given 116 choice selected articles, of which the greater number, comprising rare greenstone and bone ornaments, and finely made tools and weapons, were the result of a special collecting tour through the Far North. Besides acknowledging the President's generous gifts, I wish also, before he vacates the chair, to express my grateful appreciation of his unfailing interest and helpful advice, and also for his kind personal assistance on innumerable occasions during the past five years.

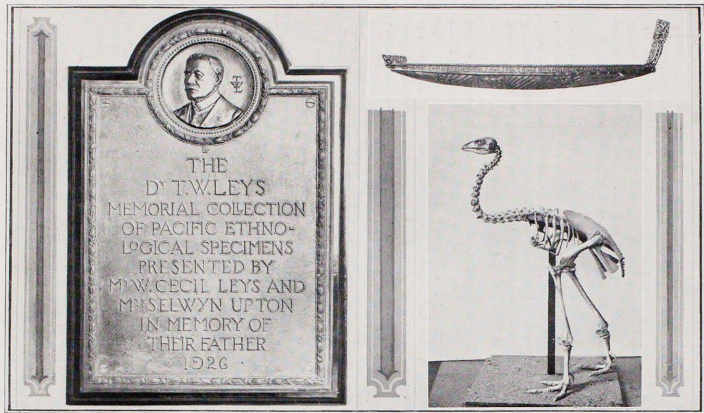
Special acknowledgment is also due to Mr. Moss Davis, who has presented a further series of valuable articles, especially an old Maori Model Canoe and greenstone ornaments and weapons. We were very pleased to take the opportunity of commemorating Mr. and Mrs. Davis' Diamond Wedding, on March 29, by a special exhibition of Mr. Davis' many gifts to the Museum.

Our collection of remains of the Moa has also received two notable additions. The first was the result of an expedition kindly arranged and conducted by Mr. Mappin, who was accompanied by Sir Carrick Robertson, Mr. Pyeroff, and the Director, to investigate Mr. W. H. Gregory's discovery of moa bones in caves near Waikaremoana. The whole area was thoroughly searched, and, although only a few of the many caves and shelters examined contained remains, the party secured several groups of mixed bones, and also the remains of fifteen individual birds, including six moderately to nearly complete skeletons.

The second was the generous gift by Mr. L. J. Matthews of two Moa eggs—one perfect, the other nearly so—which he had found thirty years ago in alluvial and dune deposits at Doubtless Bay. Mr. Griffin, who accepted the eggs from Mr. Matthews, also collected all the available material from a deposit of Moa bones on the site which yielded the eggs.

**Special Exhibitions.**—The Josiah Wedgwood bicentenary presented an opportunity for a special exhibition of Wedgwood Ware. Over forty members and friends lent specimens, and we were able to make a display, in five cases, of nearly all types of the Wedgwood productions from 1752 to the present day. We were fortunate in having the advice of Mr. W. J. Crowther in identifying the specimens and his assistance in setting out the display.

Before the Christmas holidays, Mr. H. S. Dudley kindly lent for exhibition an extensive selection from his large collection of Chinese Snuff Bottles. These beautiful examples of Chinese art



*Above*—Plaque recording the gift of the Dr. Leys Collection.

*Top*—Model War Canoe, presented by Mr. Moss Davis.

*Bottom*—Skeleton of a Young Bird of *Anomalopteryx parva*, found at Waikaremoana by Mr. F. C. Mappin.

were very much admired, and a further exhibition, promised by Mr. Dadley, of Chinese jade ornaments, will be looked forward to with keen interest.

The third exhibition, of Mr. Moss Davis' gifts, has already been mentioned, and we may also add that, on the occasion of a supposed diamond-field discovery recently, a small exhibit was set up of zircon and other substances which are sometimes mistaken for diamonds.

**Visitors.**—The attendance of the public has been well maintained, the weekly average of 4,790 being only 110 less than during the first few weeks after the opening of the building; while the school holidays' weekly average (8,000) is the same as that for last year. The total number of visitors during the year was 249,042.

**Sunday Lectures and Demonstrations.**—The following short series of public lectures was given on Sunday afternoons in the Library:—

Miss L. M. Cranwell, M.A.—“Plant Outlaws.”

Miss Briar Gardner—“The Art of the Potter.”

Mr. R. A. Falla, M.A.—“The Tuatara.”

Rev. Angus MacDonald, O.B.E.—“Life and Art in Ancient Egypt.”

These were very well attended, and there is no doubt that an extended series during the coming winter will be equally appreciated.

A series of demonstrations of Maori plaiting and weaving by Mrs. Piki Tawhaki Tamehana and Mrs. Murihau Rerehi also attracted considerable attention.

That the public generally makes definite use of the Museum is shown by the large number of enquiries recorded in the departmental reports; these total 1,497 for the whole Museum.

**School Service.**—The School Service, commenced just prior to the end of last year, has been more than doubled, there now being seventeen special travelling exhibits on loan. Thirty-one schools have already been reached by this service; in which we have the welcome assistance of the Education Board in transporting the cases. The School Service is now under the charge of Mr. Falla, who is in close touch with the Headmasters in connection with the organised distribution of the cases, and is also arranging for the Training College Students to examine

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the Museum exhibits under the guidance of members of the staff. A collection of lantern slides for lectures and school use has been made, and Mr. Fisher has already catalogued the greater part of it.

**Publications.**—The Council having authorised the issue of the "Records of the Auckland Institute and Museum," the first number appeared in June. Besides forming a means of publication of the results of research carried out by the staff, the "Records" has already brought us in exchange many valuable overseas publications.

**Staff.**—The death of Mr. Alfred Philpott, F.E.S., F.N.Z. Inst., Hon. Entomologist, deprived the staff of the services of an assiduous and enthusiastic worker, whose voluntary service to the Museum and whose genial friendship and ready willingness at all times to advise and help are sorely missed.

Mr. R. A. Falla, M.A., joined the staff as Ornithologist in September. He was granted leave from November to enable him to rejoin the British, Australian, and New Zealand Antarctic Research Expedition, and he returned to duty on April 1. Mr. V. F. Fisher was appointed Ethnologist on August 1.

Outside lectures to societies and institutions and clubs have been given by Miss Cranwell (5), Mr. Falla (3), Mr. Fisher (1), and the Director (6).

The staff has much pleasure in acknowledging extensive voluntary help kindly given by Miss E. Reekie, Miss L. B. Moore, and Messrs. W. K. Hounsell, Joseph Wright, E. D. Pritchard, D. I. Elliot, M. Hodgkins, and by Mr. E. W. Bennett, of the University of Western Australia.

### **General.**

Progress is being made by Mr. Firth in the arrangement of the Geological Section. An introductory case, with an excellent geological map in colour and a series of diagrams, is a very instructive demonstration of the geological formation of New Zealand.

The War Trophy Section has received several accessions, and additional flags, documents, and pictures have been placed on exhibition.

The workshop has been very busy. The carpenter has completed the fitting up of five study rooms, and has, besides, made several stands, frames, and cases for exhibition and school

groups, as well as completing numerous small repairs and fitments. The Taxidermist has prepared 124 bird specimens 12 mammals, and 28 fishes, as well as completing the details of several special group displays, and two School cases.

GILBERT ARCHEY.

### Assistant Director.

The principal additions to the collection of fishes during the year were Mr. H. White Wickham's record Mako Shark (798lbs), Mr. P. D. Hewett's Tiger Shark (734lbs), and Mr. J. Torkington's Sun Fish (10cwt). Messrs. Sanford Ltd. and the "Auckland Fishermen's Co-op" have also given rare and unusual species.

Twenty-two painted casts of fishes have been placed on exhibition, and the whole of the reference collection overhauled and card-catalogued.

The labelling of all the specimens in the Anthropology Hall and European Arts Gallery has been completed, and additional labels and drawings have been prepared for the fish collection, comprising altogether 1,622 descriptive cards. Displays have also been prepared in the War Trophy Hall, and assistance given in arranging the Special Exhibitions; two School cases were also arranged.

Over 500 enquiries have been answered and 312 identifications of fishes made, including several for the Suva Museum and the Portobello Marine Biological Station. Routine work has involved the double entry of no less than 642 accessions, and a considerable amount of photographic work has also been completed.

It is hoped next year to prepare a special exhibit of fishes living at different depths of the ocean; and also, with the help of the fishing clubs, to develop the display of the big-game fishes of New Zealand.

L. T. GRIFFIN.

### Anthropology.

The department has received 747 accessions during the year, 471 of them being in the Maori section. In addition to the gifts by the President and Mr. Moss Davis, recorded above, special attention is directed to the following:—

A large collection of Maori specimens from Mr. Malcolm Buckland; historical weapons and ornaments from Sir Edwin Mitchelson, Mrs. R. M. Wilson, and Mr. Edwin P. Mitchelson;



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Hawaiian ethnographical specimens from Mr. S. R. Shiriffs; Tahitian specimens from Captain J. D. McComish; a very fine hei tiki from Mr. Mappin; and a beautiful old elephant tusk carving from Mr. H. S. Dadley. Mr. Geo. M. Graham and Mr. John Stewart have deposited historical weapons and greenstone ornaments.

The President and the Assistant Ethnologist collected weapons and implements from the West Coast beaches, and other specimens were collected from the King Country, Maketu, Whangaroa, and the Urewera.

The Director has labelled 13 cases of exhibits, 7 of which have been rearranged, and the Assistant Ethnologist has labelled 12 cases. In addition, the whole of the Maori, Polynesian, and Fijian reference collection has been classified and suitably stored for ready reference and study. Two School cases have been prepared.

Besides carrying on with the extensive work of labelling and rearranging exhibits and reference collections, it is hoped next year to prepare an exhibit of Maori food supplies and to form an Ethnology Club for boys.

The cataloguing of all the new ethnographical material has been kept up to date by Mr. Leece, who has also assisted in setting up rearrangements and new exhibits.

GILBERT ARCHHEY,  
V. F. FISHER.

### Botanist.

The collections have been considerably enriched by gifts and by individual collecting. Outstanding amongst the 2,246 accessions from outside sources have been a gift of 1,600 specimens of native plants from Dr. Leonard Cockayne, C.M.G., F.R.S., and a splendid series of marine algae from Mr. R. M. Laing, of Christchurch.

Field work has been continued in the vicinity of Auckland, special attention being paid to littoral plant-communities of both coasts. As a result of work further afield, 1,200 sheets have been added to the general Herbarium. A collection of cushion-plants was made in Canterbury, the largest being a "Vegetable Sheep" (*Raoulia eximia*), weighing 134lbs. The satisfactory results of this trip were largely due to Professor Arnold Wall's forethought and knowledge of local conditions, and to his enthusiastic personal help.

Herbarium work has included the sorting and mounting of new specimens, and the mounting of the specimens of the Cheeseman Herbarium. This had been delayed by more pressing



work, but will take up much time in the coming year. A paper, "The Vegetation of Maungapohatu (Urewera)," conjointly with Miss L. B. Moore, has been prepared for publication.

The monthly average of enquiries is growing steadily: a total of 473, the majority accompanied by specimens for identification, have been answered during the year.

New groups, for which 296 labels have been prepared, have been added to the display cases, and five exhibits were completed for the School Service.

Keen interest has been shown in the newly set up Native Plant table. This will be retained, and the range of exhibits extended to illustrate phenomena of growth, etc., unsuitable for the display cases.

L. M. CRANWELL.

### Ornithologist.

During the year the collection of foreign birds has been enriched by the addition of many new specimens, including such interesting exhibits as the Argentine Ovenbird (*Furnarius rufus*) and nest, presented by Mr. A. S. Wilson, of Wellington. Another valuable addition is the collection of birds made by Mr. A. R. Hughes in India and Ceylon, presented by him to the Museum. Several interesting specimens of birds (and of mammals) have been presented by the Auckland Zoological Park.

We have also to acknowledge the help of Messrs. A. T. Pycroft, B. Sladden, and Edgar F. Stead in securing welcome additions.

The reference collections of skins and eggs have been classified and rearranged, and a number of additional specimens has been obtained, including the large collection of New Zealand birds presented by Mr. F. H. Combes.

Forty-eight enquiries and identifications have been attended to, three public lectures have been given, and a short course of lectures on native birds given to a class organised by Lady Gunson.

The School Service has already been referred to in the Director's report.

The plan of displaying native birds in groups representing their natural habitat is being followed as far as the size of the show cases will allow. A group of gannets has been completed, and it is hoped to add at least two other groups during the coming year.

R. A. FALLA.

### Conchologist and Palaeontologist.

The collections in all three branches have received important accessions during the year, mainly due to the enthusiasm of several voluntary collectors, a recently organised system of exchange, and personal collecting.

The conchology section has received over 4,000 additions, an outstanding gift being the extensive collection of Hawaiian mollusca presented by Mr. S. R. Shiriffs. The conchologist has presented 17 holotypes and 2 paratypes of his recently described species, and several extensive lots of North, South, and Central American shells have been acquired by exchange.

Six special exhibits have been arranged in the gallery, including three large cases dealing with corals and related marine animals, while over 1,300 labels have been added to the displayed specimens.

The palaeontology section has received the considerable addition of over 3,100 specimens. Outstanding gifts are a fine vertebra of a Lower Pliocene whale from Mr. S. A. Orchard, over 150 Lower Miocene shells from Mr. Malcolm Hardy, and 50 plant remains from Mr. A. G. Stevenson.

A collecting excursion to the Wanganui and Hawera Pliocene beds has added over 2,770 specimens of fossil mollusca, including some as yet undescribed species.

Over 3,000 record cards have been compiled for the indexes of specimens and literature, and more than 150 enquiries have been answered by letter and personal interview. One of these, for the Portobello Fisheries Station, involved 140 identifications of specimens from dredging and the stomachs of fishes.

It is intended that future additions to the shell display will feature life histories and other biological phases in preference to extensive series of named specimens.

Papers published during the year are:—

"The Paryphantidae of New Zealand: Their Hypothetical Ancestry, with descriptions of New Species and a New Genus"—*Rec. Auck. Inst. Mus.* vol. I., No. I.

"New Species of New Zealand Mollusca from Shallow-water Dredgings: Part II."—*Trans. N.Z. Inst.* vol. 61.

Considerable time has been expended in sorting and classifying material in preparation of reports on animal communities in connection with an ecological survey of the Waitemata Harbour.

Four exhibits have been prepared for the "School Service travelling museum, and have been in use during the year.

A Boys' Club has been formed, and so far it has had twenty classes at the Museum and six field excursions.

A. W. B. POWELL.

### Librarian.

The classifying of the books into main groups has been completed, and the preparation of the card-catalogue is proceeding as rapidly as possible.

A notable addition to the Library is the gift by Mr. John Kenderdine of many hundreds of books and pamphlets, including rare and valuable publications. It is Mr. Kenderdine's generous intention to complete, as far as possible from his own collection, the library's Maori and Early Colonist Sections.

The higher library expenditure this year has been due to the necessity of bringing the binding of back periodicals up to date, and to our having taken the opportunity of acquiring several sets of valuable historical and scientific books.

The gifts from overseas libraries have been considerably increased through exchanges received from the first issue of the "Records."

There has been a very satisfactory increase both in the number of members consulting the Library and in the number of books borrowed.

MARSHALL C. CLELAND.

# AUCKLAND INSTITUTE AND MUSEUM.

## RECEIPTS AND PAYMENTS ACCOUNT.

31st March, 1931.

|   | £       | s. | d. |  | £       | s. | d. |
|---|---------|----|----|--|---------|----|----|
| To Balance 1/4/1930. . . . .                | 2,089   | 11 | 4  | By Salaries and Wages . . . . .                    | 4,793   | 9  | 10 |
| „ Subscriptions—                            |         |    |    | „ Insurance . . . . .                              | 67      | 9  | 2  |
| Annual . . . . .                            | 485     | 12 | 6  | „ Library Expenditure . . . . .                    | 443     | 9  | 4  |
| In Advance . . . . .                        | 13      | 13 | 0  | „ Institute Expenses . . . . .                     | 277     | 0  | 4  |
| Life Members . . . . .                      | 52      | 10 | 0  | „ Specimens—                                       |         |    |    |
| „ Interest—                                 |         |    |    | Purchases . . . . .                                | 490     | 13 | 0  |
| Mortgage . . . . .                          | 1,275   | 1  | 3  | Collecting and Travelling Expenses . . . . .       | 133     | 17 | 5  |
| Debenture . . . . .                         | 422     | 19 | 2  | „ Preserving and Display Expenses—                 |         |    |    |
| N.Z. Insurance, . . . . .                   | 116     | 8  | 2  | School Service Publications . . . . .              | 575     | 3  | 8  |
| Auckland Savings Bank . . . . .             | 6       | 14 | 4  | „ General Maintenance Expenses . . . . .           | 600     | 4  | 0  |
| „ Contributions from Local Bodies . . . . . | 5,700   | 0  | 0  | „ Furniture and Fittings . . . . .                 | 1,115   | 9  | 4  |
| „ Donations . . . . .                       | 191     | 16 | 1  | „ Buildings . . . . .                              | 425     | 11 | 9  |
| „ Sundry Receipts . . . . .                 | 87      | 3  | 10 | „ Refund, Returned Soldiers' Association . . . . . | 128     | 13 | 7  |
| „ Receiver Land Revenue—                    |         |    |    | „ Sundry Expenses . . . . .                        | 37      | 5  | 5  |
| Sales . . . . .                             | 93      | 16 | 5  | „ Transfers—                                       |         |    |    |
| Rent and Interest . . . . .                 | 56      | 2  | 6  | Life Subscription Account . . . . .                | 63      | 0  | 0  |
|   |         |    |    | Investment Account . . . . .                       | 20      | 0  | 11 |
|   |         |    |    | „ Balance . . . . .                                | 1,420   | 0  | 10 |
|   | £10,591 | 8  | 7  |  | £10,591 | 8  | 7  |

GILBERT ARCHIE, Treasurer.

# INCOME AND EXPENDITURE ACCOUNT.

31st March, 1931.

|  | £      | s. | d. |  | £      | s. | d. |
|--|--------|----|----|--|--------|----|----|
| To Salaries and Wages .. .. .                        | 4,793  | 9  | 10 | Subscriptions—                                   |        |    |    |
| „ Insurance .. .. .                                  | 67     | 9  | 2  | Annual .. .. .                                   | 539    | 3  | 6  |
| „ General Maintenance .. .. .                        | 600    | 4  | 0  | Life Members .. .. .                             | 52     | 10 | 0  |
| „ School Service, Education and Publications .. .. . | 258    | 15 | 9  | Interest—  |        |    |    |
| „ Preserving and Display .. .. .                     | 340    | 6  | 1  | Debenture .. .. .                                | 425    | 7  | 1  |
| „ Institute Expenses .. .. .                         | 275    | 14 | 1  | Mortgage .. .. .                                 | 1,287  | 10 | 0  |
| „ Refund Returned Soldiers' Association .. .. .      | 128    | 13 | 7  | N.Z. Insurance, at Call .. .. .                  | 116    | 8  | 2  |
| „ Sundries .. .. .                                   | 71     | 2  | 1  | Auckland Savings Bank .. .. .                    | 6      | 14 | 4  |
| „ Subscriptions Written Off .. .. .                  | 87     | 3  | 0  | Rent, R.L.R., Transfer from M.E. Account .. .. . | 56     | 2  | 6  |
| „ Transfers—   |        |    |    | Sales—   |        |    |    |
| Investment A/c. (Museum Endowment A/c.) .. .. .      | 93     | 16 | 5  | Receiver Land Revenue .. .. .                    | 93     | 16 | 5  |
| Life Subscriptions, Capital A/c. .. .. .             | 52     | 10 | 0  | Contributions from Local Bodies .. .. .          | 5,700  | 0  | 0  |
| „ Depreciation—                                      |        |    |    | Donations .. .. .                                | 116    | 10 | 2  |
| Buildings .. .. .                                    | 1,116  | 16 | 4  | Sundries .. .. .                                 | 87     | 3  | 10 |
| Furniture .. .. .                                    | 774    | 7  | 4  | Balance .. .. .                                  | 179    | 1  | 8  |
|  | £8,660 | 7  | 8  |  | £8,660 | 7  | 8  |

GILBERT ARCHER, Treasurer.

MACKECHNIE LIBRARY BEQUEST ACCOUNT.

|                                       | £    | s. | d. |                            | £    | s. | d. |
|---------------------------------------|------|----|----|----------------------------|------|----|----|
| To Bank Charge .. .. .                | 0    | 5  | 0  | 1930.                      |      |    |    |
| Receipts and Payments Account .. .. . | 126  | 15 | 0  | April 1—By Balance .. .. . | 10   | 18 | 6  |
| Balance 31/3/1931 .. .. .             | 10   | 19 | 10 | " Interest .. .. .         | 127  | 1  | 4  |
|                                       | £137 | 19 | 10 |                            | £137 | 19 | 10 |

SIR JAMES GUNSON TRUST ACCOUNT.

|                           | £    | s. | d. |                    | £    | s. | d. |
|---------------------------|------|----|----|--------------------|------|----|----|
| Balance 31/3/1931 .. .. . | 148  | 17 | 1  | 1/4/1930.          |      |    |    |
|                           | £148 | 17 | 1  | By Balance .. .. . | 142  | 4  | 0  |
|                           |      |    |    | " Interest .. .. . | 6    | 13 | 1  |
|                           |      |    |    |                    | £148 | 17 | 1  |

LIFE MEMBERS' SUBSCRIPTIONS, CAPITAL ACCOUNT.

|                       | £      | s. | d. |   | £     | s. | d. | £      | s. | d. |
|-----------------------|--------|----|----|---|-------|----|----|--------|----|----|
| To Balance 31/3/1931— |        |    |    | By Balance 1/4/1930—  |       |    |    |        |    |    |
| Investments .. .. .   | 1,929  | 0  | 0  | Investments .. .. .   | 1,649 | 0  | 0  |        |    |    |
| Cash at Bank .. .. .  | 64     | 11 | 5  | Cash at Bank .. .. .  | 292   | 1  | 5  | 1,941  | 1  | 5  |
|                       |        |    |    | " Transfer from Income and Expen-<br>diture Account .. .. . |       |    |    | 52     | 10 | 0  |
|                       | £1,993 | 11 | 5  |   |       |    |    | £1,993 | 11 | 5  |

MUSEUM ENDOWMENT ACCOUNT.

|   | £      | s. | d. | £  | s. | d. |  | £      | s. | d. | £       | s. | d. |
|---|--------|----|----|----|----|----|--|--------|----|----|---------|----|----|
| Transfer to Income and Expenditure<br>Account .. .. . |        |    |    | 56 | 2  | 6  | By Balance 1/4/1930.   |        |    |    |         |    |    |
| Balance at 31/3/1931—                                 |        |    |    |    |    |    | Investments .. .. .  | 12,431 | 0  | 0  |         |    |    |
| Investments .. .. .                                   | 12,671 | 0  | 0  |    |    |    | Cash at Bank .. .. .   | 242    | 11 | 4  | 12,693  | 11 | 4  |
| Cash at Bank .. .. .                                  | 116    | 7  | 9  |    |    |    | " Receiver Land Revenue—   |        |    |    |         |    |    |
|   |        |    |    |    |    |    | Rents and Interest .. .. .                                       |        |    |    | 56      | 2  | 6  |
|   |        |    |    |    |    |    | " Transfer from Income and Expen-<br>diture Account—Land Revenue |        |    |    |         |    |    |
|   |        |    |    |    |    |    | Sales .. .. .  |        |    |    | 93      | 16 | 5  |
|   |        |    |    |    |    |    |  |        |    |    | £12,843 | 10 | 3  |
|   |        |    |    |    |    |    |  |        |    |    |         |    |    |

GILBERT ARCHEY, Treasurer.



# AUCKLAND INSTITUTE AND MUSEUM.

BALANCE SHEET as at 31st MARCH, 1931.

|   | £     | s. | d. | £       | s. | d. |                                 | £       | s. | d. | £        | s. | d. |
|---|-------|----|----|---------|----|----|---------------------------------|---------|----|----|----------|----|----|
| Capital Account .. .. .                 |       |    |    | 422,093 | 1  | 5  | Buildings—                      |         |    |    |          |    |    |
| Museum Endowment Account .. ..          |       |    |    | 12,787  | 7  | 9  | 1st April, 1930 .. .. .         | 222,928 | 6  | 5  |          |    |    |
| Life Members' Subscription Capital A/c. |       |    |    | 1,993   | 11 | 5  | Additions, 1930-1 .. .. .       | 432     | 14 | 6  |          |    |    |
| Gunson Trust Fund .. .. .               |       |    |    | 148     | 17 | 1  |                                 |         |    |    |          |    |    |
| Mackenzie Bequest Fund .. .. .          |       |    |    | 10      | 19 | 10 |                                 | 223,361 | 0  | 11 |          |    |    |
| Sundry Creditors .. .. .                |       |    |    | 95      | 10 | 6  | Less Depreciation .. .. .       | 1,116   | 16 | 4  |          |    |    |
| Subscriptions Paid in Advance .. ..     |       |    |    | 13      | 13 | 0  |                                 |         |    |    | 222,244  | 4  | 7  |
| Maori Bust Trust Fund .. .. .           |       |    |    | 50      | 0  | 0  | Furniture and Fittings—         |         |    |    |          |    |    |
| Memorial Hall Trust Fund .. .. .        |       |    |    | 25      | 5  | 11 | 1st April, 1930 .. .. .         | 29,862  | 19 | 9  |          |    |    |
| Income and Expenditure Account—         |       |    |    |         |    |    | Additions, 1930-1 .. .. .       | 1,114   | 2  | 4  |          |    |    |
| Balance 1/4/1930 .. .. .                | 2,235 | 1  | 10 |         |    |    |                                 |         |    |    |          |    |    |
| Less Balance 31/3/1931 .. .. .          | 179   | 1  | 8  |         |    |    |                                 | 30,977  | 2  | 1  |          |    |    |
|   |       |    |    | 2,056   | 0  | 2  | Less Depreciation .. .. .       | 774     | 7  | 4  |          |    |    |
|   |       |    |    |         |    |    |                                 |         |    |    | 30,202   | 14 | 9  |
|   |       |    |    |         |    |    | Collections—                    |         |    |    |          |    |    |
|   |       |    |    |         |    |    | 1st April, 1930 .. .. .         | 150,474 | 16 | 9  |          |    |    |
|   |       |    |    |         |    |    | Additions, 1930-1 .. .. .       | 552     | 0  | 5  |          |    |    |
|   |       |    |    |         |    |    |                                 |         |    |    | 151,026  | 17 | 2  |
|   |       |    |    |         |    |    | Library Books—                  |         |    |    |          |    |    |
|   |       |    |    |         |    |    | 1st April, 1930 .. .. .         | 5,308   | 8  | 4  |          |    |    |
|   |       |    |    |         |    |    | Additions, 1930-1 .. .. .       | 444     | 10 | 4  |          |    |    |
|   |       |    |    |         |    |    |                                 |         |    |    | 5,752    | 18 | 8  |
|   |       |    |    |         |    |    | Investments—                    |         |    |    |          |    |    |
|   |       |    |    |         |    |    | Mortgages .. .. .               | 19,950  | 0  | 0  |          |    |    |
|   |       |    |    |         |    |    | Debentures .. .. .              | 8,000   | 0  | 0  |          |    |    |
|   |       |    |    |         |    |    |                                 |         |    |    | 27,950   | 0  | 0  |
|   |       |    |    |         |    |    | Sundry Debtors—                 |         |    |    |          |    |    |
|   |       |    |    |         |    |    | Subscriptions .. .. .           | 119     | 14 | 0  |          |    |    |
|   |       |    |    |         |    |    | Interest .. .. .                | 290     | 16 | 6  |          |    |    |
|   |       |    |    |         |    |    |                                 |         |    |    | 410      | 10 | 6  |
|   |       |    |    |         |    |    | Cash at Bank—                   |         |    |    |          |    |    |
|   |       |    |    |         |    |    | Working Account .. .. .         | 1,257   | 1  | 11 |          |    |    |
|   |       |    |    |         |    |    | Gunson Trust Account .. .. .    | 148     | 17 | 1  |          |    |    |
|   |       |    |    |         |    |    | Mackenzie Bequest Account .. .. | 19      | 19 | 10 |          |    |    |
|   |       |    |    |         |    |    | Investment Account .. .. .      | 182     | 2  | 7  |          |    |    |
|   |       |    |    |         |    |    | Cash in Hand .. .. .            | 88      | 0  | 0  |          |    |    |
|   |       |    |    |         |    |    |                                 |         |    |    |          |    |    |
|   |       |    |    |         |    |    |                                 |         |    |    | £439,274 | 7  | 1  |

GILBERT ARCHER, Treasurer.

AIM Ann Report  
1930 to 1931

# AIM Ann Report 1930 to 1931

The Auckland Institute and Museum is an educational institution which gives free service to the whole community throughout the year.

Money is urgently needed to widen its activities and increase its service to the community by the spread of knowledge among present and future citizens.

If additional help cannot be given now, a bequest would be of great value.

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## Form of Bequest.

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*I give and bequeath to the Institution known as the Auckland Institute and Museum the sum of £..... free of succession or estate duty to be applicable for the general purposes of such Institution. And I declare that the receipt of the Treasurer or the proper officer for the time being of such Institution shall be a sufficient discharge for the same.*

List of Benefactions  
made to the  
**Auckland Institute and Museum**  
of an amount (or value) exceeding £50.

**MONETARY GIFTS.**

- 1876 **Citizens of Auckland** subscribed £2,026 towards first Museum building.  
1878 **Mr. J. C. Firth** donated £106 for show cases.  
1884 **Mr. Edw. Costley** bequeathed £12,150.  
1887 **Mr. David Nathan** bequeathed £100.  
1897 **Mr. T. Russell** donated £100 for geological specimens.  
1901 **Citizens of Auckland** subscribed £1,000 for purchase of Mair collection.  
1902 **Mr. E. A. Mackechnie** bequeathed £2,500.  
1906 **Citizens of Auckland** subscribed £662 for purchase of Maori carved houses.  
1911 **Citizens of Auckland** subscribed £684 for ancient Maori carvings.  
1913 **Sir John Logan Campbell** bequeathed £1,000.  
1921 **Members of Institute** subscribed £115 for pair of Temple Bronzes.  
1923 **Sir Wm. H. Herries** bequeathed £1,000.  
1924 **Citizens of Auckland** subscribed £698 for purchase of Maori collections.  
1925 **Members of Institute** subscribed £100 for purchase of a Maori collection.  
1926 **Mr. David Goldie** bequeathed £1,000.  
1926 **Sir James Gunson** Presentation Committee presented £118 for purchase of Maori specimens.  
1927 **Mr. F. Shaw** bequeathed £1,000.  
1929 **Mr. S. J. Ambury** bequeathed £250.

**SPECIMENS AND BOOKS.**

- 1876 **Mr. R. C. Barstow**: Large collection of Maori articles.  
1877 **Mr. G. F. Edmonston**: 564 volumes of scientific works.  
1878 **Mr. T. Russell, C.M.G.**: 34 casts from the antique.  
1879-83 **Mr. J. T. MacKelvie**: 390 books and large ethnographical collection.  
1887 **Mr. C. O. Davis**: Valuable Maori collection.  
1901 **Mr. L. D. Nathan**: Japanese Shinto Shrine.

# AIM Ann Report 1930 to 1931

- 1913 **Mr. Henry Shaw:** 62 scientific books.  
**Mr. F. Shaw:** 110 scientific books.  
**Hon. Sir Edwin Mitchelson:** Valuable collection of Kauri Gum and Case.
- 1915 **Dr. C. E. R. Bucknill:** Collection of Old English Glass.
- 1916 **Mr. Henry Shaw:** Collection of Japanese art.
- 1917 **Miss Ruth Northcroft:** Large Maori and Polynesian Collection.
- 1919 **The Misses Yates:** Collection of Indian weapons.
- 1920 **Mr. James Dunning:** Collection of North American Mammals.
- 1921 **Mr. W. A. Aldred:** Valuable collection of Maori specimens.  
**Hon. J. B. Turner:** Large and valuable Fijian ethnographical collection.
- 1923 **Mr. T. F. Cheeseman, F.L.S., F.N.Z.Inst.:** The Cheeseman Herbarium of native and foreign plants.
- 1924 **Mr. Wm. Sutherland, I.S.O.:** Melanesian ethnographical collection.  
**Mr. A. C. Caughey:** Fijian and New Hebridean ethnographical collection.  
**Mr. R. A. Meek:** Ethnographical specimens from Bismarek Group.  
**Messrs. Samuel Vaile & Sons:** Large collection of Maori greenstone articles.  
**Sir Cecil Leys:** and  
**Mrs. Selwyn Upton:** The Edge-Partington ethnographical collection of over 2,000 specimens, given in memory of their father, Dr. T. W. Leys.
- 1925 **Mr. F. Crossley Mappin:** Valuable Maori and South Pacific exhibits.
- 1926 **Mr. Geo. F. Webster:** Valuable Maori antiquities.  
**Mr. H. R. Butcher:** Collection of British coins.  
**Mrs. E. M. Ball:** The Thos. Ball Zoological collection.  
**Mr. F. Crossley Mappin:** Ancient Chinese ceramic specimens.
- 1927 **Mr. F. Crossley Mappin:** Valuable Maori carvings.  
**Mr. Moss Davis:** Collection of valuable ethnographical specimens.
- 1928 **Sir Cecil Leys** and  
**Mrs. Selwyn Upton:** Unique and richly carved feather box.  
**Mr. J. R. Adams Wilkes:** Ethnographical collections from Nigeria and New Guinea.  
**Mr. Harry Kinder:** The Dr. Kinder Collection—Maori and Melanesian.  
**Mr. E. Earle Vaile:** Important collection of Maori stone carvings and collection of Eastern ethnographical specimens.  
**Mrs. S. J. Lushington:** Large and important collection of mollusca.

- 1929     **Mr. T. H. Barstow:** Maori canoe prows and stern posts.  
         **Mr. W. R. McGregor:** New Ireland carved memorial figures.  
         **Mrs., Miss and Mr. A. N. Cooper:** The Charles Cooper  
         collection of mollusca.  
         **Rev. W. H. Webster:** Large collection of N.Z. and foreign  
         mollusca.  
         **Mr. C. E. Clarke:** Large collection of N.Z. Insects.  
         **Executors Mr. W. M. Cole:** Collection of Stone and Bronze  
         Age Artefacts.  
         **Miss Webster and Mr. G. F. Webster:** Water-colour draw-  
         ings of the Solomon Islands.
- 1930     **Mr. John Kenderdine:** Large collection of books and pamph-  
         lets, including many rare works relating to the early  
         history of New Zealand.  
         **Mr. H. E. Vaile:** Addition to the Vaile Collection of a large  
         collection of selected Maori implements and greenstone  
         ornaments.  
         **Mr. Moss Davis:** Selected Maori exhibits, including an old  
         Maori model canoe; also porcelain and ivory exhibits.  
         **Mr. L. J. Matthews:** Two specimens of Moa eggs, one per-  
         fect and the other nearly so.  
         **Dr. L. Cockayne, C.M.G., F.R.S.:** A large collection of N.Z.  
         Plants.

## GIFTS

TO THE

### Library and Museum.

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#### LIBRARY.

##### PERIODICALS.

New Zealand Parliamentary Papers and Reports: Hansard, 1930;  
Monthly Abstracts of Statistics, 1930.  
N.Z. Journal of Agriculture, 1930; N.Z. Year Book, 1930.  
Dominion Museum Monographs and Bulletins.  
Records of the Canterbury Museum.  
Bulletins of the Cawthron Institute.  
Bulletins of the N.Z. Geological Survey.  
Publications of the Free Library and Art Gallery, Auckland.  
Fisheries Bulletins, The Marine Department, N.Z.  
Journal of the N.Z. Institute of Horticulture.  
Proceedings of the Royal Society of Victoria.  
Proceedings of the Linnean Society of New South Wales.  
Bulletins of the Council of Scientific and Industrial Research,  
Melbourne.  
The Australian Zoologist.  
The Australian Naturalist.  
Maiden, T. H., A Critical Revision of the Genus *Eucalyptus*.  
Bulletins of the Technological Museum, Sydney.  
Proceedings of the Royal Society of Queensland.  
Records of the Australian Museum.  
Memoirs of the Australian Museum.  
Australian Museum Magazine.  
Australian Antarctic Expedition Records.  
Transactions and Proceedings of the Royal Society of South Australia.  
Memoirs of the Queensland Museum.  
Journal of the Royal Society of New South Wales.  
Great Barrier Reef Commission.  
Report Australian and New Zealand Association for the Advancement of Science.  
Report of the Department of Mines, W. Australia.  
Kew Bulletin.  
Bulletins of the Leicester Museum.  
Quarterly Reports of the Leicester Museum.  
Memoirs and Proceedings of the Manchester Literary and Philosophical Society.  
Publications of the Manchester Museum.  
The Avicultural Magazine.  
General Guide, Royal Scottish Museum, Edinburgh.  
Proceedings and Reports of the Belfast Natural History and Philosophical Society.  
Bulletins and Reports of the Museum, Malta.



Annals of the Natal Museum.  
Annals of the South African Museum.  
Proceedings and Transactions of the Nova Scotia Institute of Science.  
Quarterly Reports of the Vancouver City Museum.  
Museum and Art Notes, Vancouver Scientific Association.  
Bulletins and Reports, Department of Mines, Canada.  
Bulletins of the Royal Ontario Museum.  
Publications of the Puget Sound Biological Station.  
Bulletins, Museum of Comparative Zoology, Harvard.  
Publications Biological Survey, The University of Oklahoma.  
Coleopterological Contributions, Dr. Frank Psota.  
Journal of the Maryland Academy of Sciences.  
Occasional Papers, The University of Michigan  
Publications of the Carnegie Institute.  
Programme of Activities, The Chicago Academy of Sciences.  
Report of the U.S. Commissioner of Fisheries, 1928.  
Publications of the Peabody Museum.  
Bulletins, South Dakota School of Mines.  
Bulletins of the South California Academy of Sciences.  
Studies in Natural History, The University of Iowa.  
Field Museum of Natural History, Zoological, Geological, Anthropo-  
logical, and Botanical Series.  
Vancouver Review, Vanadium Co-operation of America.  
Occasional Papers and Research Studies of the State College of  
Washington.  
Journal of the Arnold Arboretum.  
U.S. Department of Agriculture: Bulletins and Circulars.  
Annual Report and Bulletins of the U.S. Bureau of Ethnology.  
Proceedings and Bulletins of the U.S. National Museum.  
Natural History, American Museum of Natural History.  
Reports, etc., of the American Museum of Natural History.  
Memoirs and Bulletins of the Bishop Museum.  
Pacific Affairs, Institute of Pacific Relations.  
Bulletins of the Pan-Pacific Union.  
Journal of the Pan-Pacific Research Institution.  
The Volcano Letter; Hawaiian Volcano Observatory.  
Monthly Bulletins of the Hawaiian Observatory.  
The Masterkey: Southwest Museum, Los Angeles.  
Annuaris Observatoris Nacional de Rio de Janeiro.  
Bulletins la Societé Etudes Oceaniennes.  
Annales of the Societé Royale Zoologique de Belgique, 1928.  
Memoirs Archivs de l' Institut de Paleontologie Humaine, Paris.  
Publications, Akademie der Wissenschaften, München, Germany.  
Publications, Warsaw Zoological Museum.  
Bulletins of the Academy of Sciences, Ussr, Leningrad.  
Annals of the Geological Institute of Mexico.  
Reports and Bulletins, National Research Council of Japan.  
Publications of the Java Anthropological Laboratory.  
Publications of the National Geological Survey of China.  
Bulletins: College of Science, University of Canton.  
Annual Reports of the National Museum of Wales, Dominion  
Laboratory, Rhodesian Museum, Colechester and Essex Museum,  
Yorkshire Philosophical Society, Australian Museum, John  
Cramer Library, Wanganui Public Museum, American Museum of  
Natural History, Mappin Art Gallery, Egypt Exploration Society,  
Public Library and Museum of Victoria, City of Liverpool

# AIM Ann Report

## 1930 to 1931

Museum, City of Nottingham Museum, Otago Museum, Museum and Art Gallery Launceston, City and County of Bristol Museum, National Museum of Ireland, Metropolitan Library Pekin.

### BOOKS.

- Baker: The Hardwoods of Australia:—Mr. F. Fuller.  
 Zane Grey: Tales of the Anglers' Eldorado:—Mr. John Stewart.  
 International Review of Agriculture:—Mr. W. K. Hounsell.  
 Indian Notes and Monographs:—Mrs. D. E. Harkness.  
 Crawford: Dictionary of the Indian Is.:—Mr. Harold Hamilton.  
 Kerr: New Horizons:—The Author.  
 Ellis: Three Visits to Madascar:—Mr. A. T. Pycroft.  
 Agassiz: Journal in Brazil:—Mr. A. T. Pycroft.  
 Frazer: Golden Bough, Magic Art:—Mr. A. T. Pycroft.  
 Vol. of Engravings:—Mr. T. H. Barstow.  
 2 vols. of Engraved Plates:—Mrs. J. P. Campbell.  
 Rhind: A History of the Vegetable Kingdom:—Mrs. Florance.  
 Davies: The Mythology and Rites of the British Druids:—Mrs. Florance.  
 Humphreys: Coin Collector's Manual, 2 vols.:—Mr. H. Butcher.  
 Dixon: The Racial History of Man:—Mr. Ralph Ward.  
 Denon: Egypt delineated in a Series of Engravings:—Dr. F. W. Gordon.  
 Maunsell: Grammar of the New Zealand Language:—Mr. G. Graham.  
 Ritchie: The Creation:—Mr. J. W. Brame.  
 Agassiz-Fuertes: Album of Abyssinian Birds and Mammals:—The Field Museum of Natural History.  
 26 vols. of Scientific Works:—Mr. C. E. Clarke.  
 10 vols. of Scientific Works: Mr. Stuart R. Shirrifs.

### MUSEUM.

- Mr. M. Adam: Native articles from Nine.  
 Mr. L. A. Albrecht: Old *uaka kereru* from L. Waikaremoana.  
 Mr. R. S. Allen: 8 species of New Zealand Tertiary Brachiopoda. Exchange.  
 Mr. H. J. G. Allen: Carved Maori Food-bowl. Deposited.  
 Rt. Rev. Bishop Anderson: British Pottery (Roman Period) and Tesselated Paving. Caer Went, South Wales. Geological Specimens.  
 Mr. I. I. Anderson: Whalebone artifact, Waiheke Island, and Tritoniform nudibranch.  
 J. Anderson: Two eggs of *Microcarbo melanoleucus*.  
 Anonymous: Small Scarab of Steatite.  
 Mr. A. Antwis: Mesopotamian antiquities.  
 Mr. Gilbert Archey: War documents.  
 Dr. J. Seafie Armstrong: Freshwater bivalves, *Corneocyclas hodgkini* and univalve *Potamopyrgus corolla*.  
 Auckland City Council: Leather collar and leading straps, also silver collar of "Pelorus Jack," the Mascot of H.M.S. New Zealand.  
 Auckland City Council: German flag captured at Apia, Samoa, on 29th August, 1914.  
 Mr. Gilbert Archey and Mr. A. T. Pycroft: *Schizog'ossa gigantea*, in cave with moa bones.  
 Mr. F. L. Armitage: Specimens of Gordian worms.

- Mrs. F. G. Austin: Three pieces of old Venetian Glass, cameo cut. Deposited.
- Australian Museum: *Phyllopteryx foliatus* Leafy Sea-horse. Exchange.
- S. Australian Museum: Two valves of a Pleistocene bivalve, *Anadara trapezia*. Exchange.
- Australian Museum: Skeleton of Australian pelican.
- Judge F. O. V. Acheson: Nine Island Throwing Stones; adze and obsidian knife, North Auckland.
- Mr. Joseph Aleksich: Maori spade from swamp at Waiuku.
- Dr. J. Scaife Armstrong: Series of fresh-water mollusc, *Sphaerium novaezealandiae*.
- Mr. Geo. A. Aston: Malformed specimen of *Amphidesma subtriangulatum*.
- Messrs. W. & T. Avery (N.Z.) Ltd.: 34 Historical pictures showing evolution of weighing machines.
- H. Baggoth: Gum from Papa Rock.
- Mr. R. W. Bardwell: 30 species of marine mollusca from Broome, N. W. Australia. Exchange.
- Mr. B. S. Barnes: Gordian Worm.
- Mr. C. Barrett: 3 species (4 specimens) *Paryphanta* from Victoria. Exchange.
- Mr. W. Baucke: Adze Handle.
- Mrs. Beamish: Piece of Kokowai. Deposited.
- Mrs. Beamish: Two kiwi cloaks. Deposited.
- Mr. Reg. W. Bell: Worked stone—possibly a *hoanga*.
- Mr. R. Bell: Fine stone rubber.
- Col. Allen Bell: Fragment of skull of Maori Dog.
- Professor W. B. Benham, F.R.S.: Fragment of n. sp. of *Paryphanta*.
- Mr. S. H. Biddle: Two old canoe paddles.
- Mr. Wm. Bishop: Large copper fish-hook (Maori).
- Mr. Bishop: Fossil from Waiheke.
- Mr. Adam Blackwell: Specimen of Brittle-star, and a living specimen of the rare deep-water gastropod *Tonna haurakiensis*.
- Mr. J. Blackwell: Rock Specimens.
- Mr. Henry H. Bootes: Model of the Ship "Anna Lombard," made by the donor.
- Mr. Frank Bowers: Small Stone Adze.
- Miss McBrennan: Envelope sent to a soldier during the war.
- Mrs. Brett: Maori cloaks and weapons. Deposited.
- Mr. A. Brewer: Photographs of Battlefield Memorials.
- Mrs. M. Brien: Three species of Tertiary mollusca, specimen of Calcite, and block of Silicified Wood.
- Mrs. H. Brittan: Collection of New Zealand Ferns.
- Trooper Hugh Charters Brown: Dagger and sheath from the battlefield of Gaza.
- Mr. E. Brown: Skin of Penguin.
- Mr. E. Brown: Skin of Giant Petrel.
- Mrs. G. Brownlee: Geological specimens.
- Mr. G. Broom: Internal ear ossicles of horse.
- Dr. and Mrs. Peter Buck: Obsidian Arrow heads and Spear points.
- Mr. Malcolm Buckland: Several gifts of Maori spades, implements, and stone weapons from the West Coast beaches.
- Commander R. Buddle, R.N.: Ethnographical and natural history specimens from Malay States.
- Mr. T. W. Baker: Collection of Maori articles.

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- Mr. A. R. Barton: Fossil section of Miocene coral *Isis*.  
 Mr. Harold N. Brocas: Small wooden image—Maori—from Whare-rakau.  
 Mr. A. E. Brookes: Two large specimens of holothurian.  
 Mr. George Broome: Ammonites from Lyme Regis.  
 Messrs. Butler Bros.: Collection Rimu Burrs.  
 Mrs. L. A. Caine: Collection of Samoan ethnographical specimens.  
 Canterbury Museum: Cast of *pare* from Taranaki district. Exchange.  
 Mrs. E. M. Carpenter: 3 valves of shellfish, *Hippopus maculatus*.  
 Mr. Frank Carr: Three Dyak head-hunter's Swords and one Fishing Net.  
 Mrs. B. Carter: Mounted specimen of *Kaka*.  
 Mr. M. E. Carruthers: 69 species (339 specimens) of mollusca. Exchange.  
 Mr. C. W. Casey: 1 carved Walking Stick.  
 Mr. H. F. Chaffey: 2 specimens of large land snail, *Paryphanta hochstetteri*.  
 Mr. F. R. Charlton: Loom from Squally Island, St. Matthias Group.  
 Dr. Holbrook Chatfield: Two awls or forks made of bone.  
 Mr. L. C. Chatfield: 4 Stone Adzes and one Hoanga.  
 Miss Clara Cheeseman: Native birds and ethnographical specimens.  
 The late Mr. H. C. F. Clark: Shield taken in the Indian Mutiny.  
 Mr. C. E. Clark: Collection of Ethnographical and Natural History specimens.  
 Mr. E. A. Clive: Model of a Ceylon Outrigger Canoe (Catamaran).  
 Dr. L. Cockayne, C.M.G., F.R.S., F.N.Z.Inst.: Extensive collection of herbarium specimens, chiefly N.Z., 580 species; 1,600 specimens.  
 Mr. J. Cole: Sponge from deep water, Colville Channel.  
 Mr. A. S. Collins: Yellow variety of *Nautinus elegans*.  
 Mr. F. H. Combes: Extensive collection of N.Z. and foreign Birds, mounted and Cabinet-skins.  
 Mr. John B. Connett: Set of Post Cards (coloured) of N.Z. Birds.  
 Mr. W. H. Cook: Old *uaka kereru*, Lake Waikaremoana.  
 Mrs. S., Mr. A. N., and Miss H. M. Cooper: One spear and rod used in a game.  
 Mr. J. S. Cotterill: Tapestry Map made by Ann Hickmann, of York, in 1806.  
 Mr. S. C. Crawford: Geological specimens from Whangarei.  
 Mr. A. Crawford: Two Lizards, *N. elegans* and *D. granulatus*.  
 Capt. E. J. Cullen: 2 specimens of *Peripatus*, Jurassic fossil *Belemnites aucklandicus* and Miocene fossil *Lima*, also slab of Miocene rock with fossil molluscan remains.  
 Mr. J. A. Cooper: Weevil (*Nyctes bideus*).  
 Mr. H. Crump: Mounted native and introduced birds in cases.  
 Mr. H. S. Dudley: Large intricately carved Elephant Tusk.  
 Dr. Jos. Schmidt: Bronze Medal commemorating the cruise of the Danish Scientific Ship "Dana," 1928-1930.  
 Mr. D. M. Darroch: Jaw of Whale, *Mesoplodon layardi*.  
 Mr. H. Davies: House Centipede, *Scutigera maculata*.  
 Mr. Wm. Davies: Photographs of molluscan radulae.  
 Mr. Moss Davis: Valuable Maori exhibits, and European porcelain and ivory.  
 Mr. H. Davis: Tree Weta.  
 Mrs. H. R. de Luen: Wood wasp, *Sirex gigas*.  
 Mr. A. J. Dennis: Old Sovereign Balance.  
 Mr. L. Dickson: Chinese Ivory and feather fan.

- Director, S. Australian Museum: 14 specimens of marine mollusca from South Australia. Exchange.
- Mr. C. W. Dover: Skins of New Zealand birds.
- Mr. W. Drinnan: Stone sinker.
- Mr. D. Dunningham: Old English penny, date 1797, and bronze "Hardinge" token.
- Mr. W. M. Dane: 2 Weaving implements from Pitcairn Island.
- Mr. Dumbleton: Two specimens of rare land snail, *Paryphanta superba*.
- Mr. Selwyn Edwards: Ornithological specimens.
- Sergeant F. H. Fearnley: Small adze.
- Mr. R. E. Fenton: Ethnographical specimens, chiefly Maori.
- Mrs. A. M. Ferguson: Mask used in secret ceremonies, New Hebrides.
- Mr. F. Ferriman: Copy of Dixon's painting of the landing at Anzac.
- Mr. C. F. Fieldsend: Two stone adzes, New Guinea.
- Mr. V. F. Fisher: Wasp's nest.
- Dr. Fitchett, C.M.G.: Adze of mottled stone.
- Mrs. F. Fitchett: European porcelain and ivory.
- Mr. A. H. Fletcher: 9 specimens of *Calliostoma tigris* and other rare molluscs.
- Mr. Frank Flinn: Specimens of Crustacean from 19-20 fathoms.
- Mr. Alexr. Fotheringham: Old brass temple ornament from India. Deposited.
- Mr. C. E. Ford: Volcanic Rock.
- Mr. W. Foster: Egg case of Shark.
- Hon. Sir George Fowlds, C.B.E.: Additions to natural history and war collections.
- Mr. D. L. Francis: Carved wooden Pig food-bowl, from Ghost-house at Nemba, Santa Cruz.
- Mr. W. M. Fraser: Ethnographical specimens and natural history specimens.
- Mr. M. H. Freeman: Old Verge watch and ethnographical specimens.
- Mr. E. T. Frost: Collection of Maori implements and weapons and natural history specimens.
- Mr. N. Fulton: 2 specimens of Mud-fish, *Neochanna apoda*.
- Mr. R. A. Falla: Specimens of *Chlamys campbellicus* and *Towera mawsoni* from Macquarie Island; young specimen of Black Shag.
- Sergeant F. H. Fearnley: Fossil mollusca and shark's teeth, also mineral specimens.
- Mr. C. A. Fleming: Specimens of the Short-snouted Pipe-fish.
- Mr. Tau Fletcher: Small chisel of very pale greenstone.
- Mr. T. F. Gale: Stone Adze and Chisel.
- Mr. H. Gearing: Ethnographical specimens from West Africa.
- Mr. W. George: Knot formed by tying a Kauri sapling.
- Mr. W. Goodfellow: (a) Large Lime Mortar and (b) Large Stone Beater.
- Mr. W. Goffe: Unfinished Mere.
- Mr. George Graham: Maori Flax Kits and Melanesian ethnographical specimens; two Solomon Island Canoe Paddles.
- Mr. George M. Graham: Maori Cloaks, Weapons and Ornaments. Deposited.
- Marine Biological Station, Port Chalmers: Collection of mollusca and other invertebrata. Exchange.
- Mr. D. H. Graham: Series of Chitons from Otago Harbour.
- Miss E. Grant: Stone Adze from Matarau.
- Mr. W. G. Grant: Seven Adzes, Honikiwi.



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- Mr. R. O. Gross: Stone Adze, Piteairn Island; and Carving in wood, S. Africa.
- Miss Gilman: Two specimens of marine molluse *Phasianella australis*.
- Mrs. Germack. *Hypolimnas bolina*, living specimen caught at Herne Bay.
- Lady Gunson: Australian Green Frog.
- Mr. Harold Hamilton: Carved Mouth of Calabash (Maori); Skull of extinct crow, *Corvus moriorum*, Long Beach, Otago; exceptionally fine large *totara* burr.
- Mr. J. T. Handyside: Old Brass Jug, and Leather-bound Koran.
- Mr. Malcolm J. Hardy: Series of Tertiary Mollusea from Awakino Valley and Concretions and one fossil shell *Falsicolus* (Lower Tertiary). Te Kuiti.
- Mr. E. H. Hardy: Carving in kauri gum of Parore, a chieftain of Kaihu.
- Mr. H. Hardesty: Carved Wooden Figure from Easter Island; Set of Tympanic Bones (with appendages) of whale, together with a fine series of barnacles attached to portions of the flesh. Whangamumu.
- Nurse Hazard: Ka Chin Bag, Burma.
- Peter and Una Herrick: A series of sertularians, and *Pholadidea spathulata* (boring molluse) in rock.
- Mr. P. D. Hewett: Tiger Shark *Galeocerdo arcticus*, M. & H. 734 lbs.
- Mr. Peter Higham: Collection of Siphunculid Worms.
- Mr. P. L. Hill: Goldfinch Nest and Egg, also Grey Warbler's Nest.
- Mr. W. Hill: Message from the King to Returned Prisoners of War. Deposited.
- Mr. Hodgkins: Dried and named specimens of local fungi.
- Mr. A. Hoggan: Hand-made Grass Roll, Santa Cruz.
- Hemi Honihana: Cannon-ball and Shell from Ruapekapeka Pa and ethnographical specimens.
- Mr. H. Howard: Ethnographical and natural history specimens.
- Mr. W. K. Hounsell: Specimens of Centipedes, Rotorua.
- Mr. Cyril A. Hughes: Greenstone *hei tiki* and ear-pendant. Deposited.
- Mr. A. R. Hughes: Collection of Bird Skins from India and Ceylon.
- Mr. R. R. Hunt: Specimen of Granite from the Moechau Quarries.
- Dr. C. M. Hector: A series of Land Snails, *Wainuia urnula*.
- Mrs. Agatha Henderson: Mineral specimens, Spinning Wheel, Gold Seals and Ornaments.
- Mrs. West Hill: Nose of German Floating Mine.
- Mrs. West Hill: Three Copper Tokens and Clay Pipe found with bones at Tom Bowling Bay.
- Mrs. E. S. Hossack: Silk Sunshade, made between 1830-1840.
- Captain G. Humphreys Davies: Three musical instruments called "Anklong" used by the Sudanese of Central Java; Series of photographs of early Auckland Maori carvings and scenery; Kapok Nut; Two Ushabtin or Egyptian Funeral Statuettes.
- Mr. Gilbert Jackson: Two Malayan Sarong of hand-woven silk.
- Miss A. Jackson: A rare Echinid and several mollusca.
- Dr. J. C. Sperrin Johnson: Skull of a Moriori, also large two-handled pottery Water Jar.
- Mrs. H. Moore-Jones: Portfolio of Sapper Horace Moore-Jones's Water Colours of Gallipoli and Books relating thereto.
- Mr. A. E. Kemp: Egg, in case, of Cat Shark, *Halaelurus analis*.
- Mr. H. R. Kennedy: George IV. Muzzle-loading Rifle.
- Mr. H. M. Kensington: Fine carved Walking Staff (Maori).



- The late Captain Kerruish: Coins and old Shot Gun.  
 Mr. T. C. Kerry Collection of Melanesian Spears and Paddles.  
 Miss K. Keesing: Specimens of Tapa.  
 Mr. L. C. King: 5 specimens of fossil mollusc, *Xymene plebejus*.  
 Mr. F. V. Knapp: Stone Hammer, Tasman Bay.  
 Dr. Knight: Replica of Rosetta Stone and Book descriptive of same.  
 Mr. A. E. Knowles: Five specimens of introduced and aviary Birds.  
 Mrs. Geo. Knox: Equipment used by Sergeant Knox, 93rd Highlanders, in Crimea War.  
 Mr. W. H. Kraiger: Moa Bones from Feilding.  
 Mr. John Kenderdine: Maori Sinker, Stone Mortar, and collections of Shells and Minerals.  
 Messrs. A. Kohn, Ltd.: Six specimens of South Pacific Island Pearls and one Japanese Culture Pearl.  
 Mr. R. M. Laing, M.A., F.N.Z.Inst.: 8 sheets, 32 specimens, of N.Z. Algae.  
 Mr. T. L. Lancaster, M.Sc.: Four Coal Balls, Lancashire Coal pits.  
 Mr. H. J. Lavers: Ethnographical and natural history specimens.  
 Mr. C. R. Laws: Collection of lower Miocene fossil mollusca, Exchange.  
 Mr. E. B. Langford: 3 sp. Fresh-water Mussel, *Diplodon tutulentus*.  
 Mrs. S. C. Leach: Specimens from fresh peat bog and Maori Adze.  
 Mr. P. G. Lee: 86 sheets of Seaweeds.  
 Mr. Chas. E. Leith: Turkish Rifle Cleaning Outfit and Clip of Cartridges.  
 Mr. Geo. Leaity: *Hoanga* from Otiria Stream; Cannon Ball from Ruapekeka Pa.  
 Mr. Michael Lennan: Waterworn Stone, probably used for a sinker.  
 Mrs. Lennard: Wool Tapestry; Waterford and other Cut Glass Decanters.  
 Miss Levis and Mrs. Banks' Collection: Specimen of Leafy Sea-horse.  
 Mr. F. Lewis: Belt and Cartridge Pouch from the field of Ohacawai; also Spine from Sting-ray tail.  
 Mr. Stuart Lindsay: 8 species of Lepidoptera.  
 Mrs. L. Linn: New Zealand Medal inscribed "Miligan, 1st Waikato Militia."  
 Messrs. W. Little and A. V. Johnson: Fossil Shark's Tooth, *Lamna apiculata*. Agassiz.  
 Mrs. W. Lockwood: Large Fern Pounder from swamp at Hunua.  
 Mr. A. R. Lomas: 20 Pearls from common mussel, *Mytilus canaliculus*; also Blister Pearl formation from common mussel and rock oyster.  
 Mr. Low: Natural history specimens from Hauraki Gulf.  
 Mr. Trevor Lloyd: Solomon Island two-pronged Fish-spear, and Moa Bones from Waikato Heads.  
 Mr. A. G. Lunn: Series of Geological Specimens, including two fine pieces of polished Agate; also Queen Victoria Diamond Jubilee Medal.  
 Rev. W. Edward Lush: Copy of "The Flying Post," or the "Post-Master," No. 281, from Saturday, February 27th, to Tuesday, March 2nd. London, 1697. Deposited.  
 Miss A. E. Lodge: Small collection of ethnographical articles and foreign mollusca.  
 Mr. Kenneth Mackenzie, F.R.C.S.: Collection War Photographs, also H.M.S. New Zealand's Track Chart, 1914-1918; and collection of ethnographical specimens.  
 Miss MacClelland: Fantail's Nest.

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- Judge C. E. MacCormick: Old Maori Fish-hook of Human Bone; also Spear and Adze from Aitutaki.
- Judge C. E. MacCormick: Historical Greenstone Pekapeka. Deposited.
- Miss Flora Macdonald: Old China, Poreelain, Sheffield Plate, and Embroidered Silk Pictures.
- Mr. Macpherson: Large number of Loop-snares of ti fibre (Cordyl-line) for setting round *Waka kereru*. Found at Okarea Pa, near Te Whaiti.
- Mr. James A. Mahon: Fine Greenstone Pendant.
- Mr. W. Maltby: Various Souvenirs from Crimea, S. Africa, and Great War.
- Dr. A. Marsack: Fossil Tympanic Bone of Whale and Sand Fish, *Gonorynchus gonorynchus*.
- Messrs. Mayer and Kean: Set of Badges of N.Z. Dental Corps.
- Mr. F. Crossley Mappin: Exceptionally fine *hei tiki* of black spotted greenstone. Found by donor on West Coast.
- The Chief Te Whenua, Matatua: Seven long Bird Spears, *tao kaihua*, and other Maori exhibits.
- Mr. L. J. Matthews: One perfect and one nearly perfect Moa's Egg. Found by donor on the sandhills, Doubtless Bay.
- Sergeant F. Meiklejohn: Stone Adzes from Big Omaha.
- Mr. C. E. W. Mellsop: *Carolina telemus* Linne, a pelagic mollusc (Pteropod).
- Mrs. M. A. Menzies: Glass Case containing exotic shells and corals.
- Mr. R. T. Michaels: Fine Greenstone *toki*, Whangarei Heads.
- Mr. R. F. Miles, Collingwood: Two Stone Adzes and 1 Chisel.
- Miss E. Miles: Collection large Marine Algae.
- Mrs. M. E. Simmonds: Painted China Mug, Lady's Companion, and Silver Ornaments. Bequeathed.
- Mr. Denis Miller: Weevil Beetle from Fiji.
- Mr. Athol Mills: Collection of Australian Mineral Specimens.
- Hon. Sir Edwin Mitchelson: Taiaha, handed to donor at Ceremony of Dedication of carved house at Hotunui.
- Edwin P. Mitchelson: Greenstone and Bone Pendants.
- Mr. F. Mohr: Brittle star from Mt. Maunganni.
- Mr. W. H. Mortimore: Pseudoscorpion from Maungakahia.
- Mrs. Mouat: Wedgwood Cheese Dish about 1850. Deposited.
- Mrs. Mouat: Several series of rare mollusca, Hydrozoa and Bryozoa.
- Museum of Comparative Zoology, U.S.A.: 75 species of Marine Mollusca from N. America. Exchange.
- Mr. N. V. Matthews: Mako Shark Tooth carved in whale ivory.
- Capt. J. D. McComish: Stone God found at Mehetea, Society Is., and three Stone Adzes from Tahiti.
- Mr. Paul P. McGinty: 13 species (80 specimens) of Land Snails from Florida. Exchange.
- Mrs. McHugh: Four coloured photographic enlargements of war pictures.
- Mr. G. Newsome: British Munition Worker's Badge.
- Mr. C. J. Newton: Large block Silicified Wood.
- Mr. W. Nicol: Specimens of *Declana atronivea*.
- Miss F. L. Noake: Old Wooden Fish-hook made from a trained stem.
- Mr. G. North: Jaws of Shark and Skull of Wild Pig.
- Mr. P. S. Oaten: Trap-door Spider and Nest.
- Mr. O'Neil: Tasmanian Aboriginal Flaked Artifacts.

- Mr. M. J. O'Sullivan: Peg-shaped column of Andesite, probably used by the Maoris as a boundary peg.
- Mr. S. A. Orchard: Fossilised Vertebral section of Cetacean, (Wai-totaran Stage), Lower Pliocene. Creek near Seddon, Marlborough.
- Mr. H. Osborne: Two Clouded Eels, *G. nubilus*. Gt. Barrier Island.
- Mrs. Osborn: Chinese Silk Embroidered Coat and large collection Coins and Tokens, also bundle of Arrows from Melanesia.
- Otago Museum: Collection of ethnographical specimens. Exchange.
- Mrs. G. Osborne: Very old *taniko* Border Cloak, and 2 Flax Kits.
- Mr. J. W. Otway: Albino White-eye and Nest.
- Mr. Tamati Parauri: Stone Top and Adze.
- Mr. C. E. Parsons: Portion of Rib of Cetacean; Sedimentary Clay baked by lava.
- Mrs. Peachey: Zulu Chief's Staff, Ceylonese Rickshaw, and pair of Persian Shoes.
- Dr. T. H. Pettit: Jaws of 910lb. Tiger Shark, Whangaroa.
- Miss Marie Kalisi Pierard: Plaited Basket.
- Mr. A. Powell: Two Neolithic Flint Implements, Bunbridge, Isle of Wight.
- Mr. A. W. B. Powell: Wooden Patu (Maori), probably made during the Maori war; 10 Holotypes of new species and many other specimens of mollusca; Cameo carved in shell of the West Indian "conch," *Strombus gigas*.
- Mr. T. Power: Curved Adze.
- Mr. H. Pritchard: Naiad Stage of large Dragon Fly, also series of *Anadara trapezia*, a rare fossil bivalve from Kohukohu, Hokianga. Also some marine mollusca.
- Mr. E. Purdom: Badges and Pugaree of N.Z. Permanent Staff, also Sun Shield used at Gallipoli.
- Mr. A. T. Pycroft: Ornithological and other natural history specimens.
- Mr. C. Parsons: Fossil Oyster, *Ostrea wuellerstorfi*.
- Mr. Pene: Kumara Weeder.
- Mr. W. Piper: Bones from the flipper of a large cetacean.
- Mr. H. R. Roth: Series of Photographs illustrating native life in Fiji.
- Mr. G. B. Rawlings: Stone Adze found on Mt. Hobson, also two *Helix pomatia* L. (The Roman Snail).
- Mr. E. J. Rea: Casts of Cockles from sandspit at Orere Point.
- Mr. C. R. Reisof: Specimens of *Peripatus*. Ohakune.
- Mrs. W. Reyburn: Set of Photographs of the Museum of the Congo at Brussels.
- Mr. Richards: Skin of Shining Cuckoo.
- Mr. Richardson: Specimen of *Choristella*.
- Mr. John Rigg: Skull of Maori and two other bone fragments.
- Mr. W. H. Rippingale: Pair of *Murex zealandicus*, Waihopo, North Auckland.
- Mr. David Roberts: Top of Hinaki and Stone used for pounding, Maraetai.
- Mr. W. G. Robinson: Specimen of Weta, Ohakune Jn.
- Mr. W. La Roche: Holotype of *Turbonilla (Chemnitzia) aotearoa* Powell., Great Barrier Island.
- Mr. F. C. Rollett: Rare fossil, Trilobite, and 2 Brachiopods, and other fossils.
- Mr. Wm. Ross: Materials from dress worn by Mary Queen of Scots, and a portion of Robe and Altar Cloth of Queen Victoria's Coronation.

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- Mr. G. Kingsley Roth: Three Pandanus Fruit Clusters.  
The Royal Mint, Perth: Two copies of Medal to commemorate the Centenary of Western Australia. 1829-1929.
- Master J. Rutherford: Fossil gasteropod, *Crepidula*, from beach shingle, Hauraki Gulf.
- Capt. H.M.S. Ryder: Specimen of Sea Perch, *Helicolenus percoides*.
- Miss E. Reekie: Series of Water-colours of New Zealand plants.
- Mr. G. H. Sadler: Series of letters written by Capt. Simeon Busigny, Royal Marines, from H.M.S. Temeraire, during Nelson's last Fleet action.
- Mrs. F. W. Sanderson: Stone Adze, also 2 specimens of mollusc *Alcithoe arabica*.
- Mr. O. T. Sandin: Greenstone Ear Pendant, Kaipara.
- Messrs. Sanford Ltd.: Several specimens of rare fish.
- Mr. W. E. Sargeant: 11 specimens of Land Snail, *Achatina zebra*, East London, South Africa.
- Mr. P. R. Sargood: Extensive collection of American Flaked Spear and Arrow Points.
- Mrs. Scott: Cream Jug.
- Mr. G. A. Shaw: Club, Central Africa; Pillow, Cook Islands; and framed Prussian Sword Bayonet.
- Mr. A. O. Shipherd: *Paradisca raggiana* Schl. Mounted specimen.
- Mr. S. R. Shirrifs: Collection of ethnographical and natural history specimens; also collection of Hawaiian Marine and Land Snails, the latter named and with full data.
- Mr. D. Sinclair: Iridescent or Peacock Copper.
- Mr. B. Sladden: Four Diving Petrels, *Pelecanoides urinatrix*, Tau-ranga.
- Mr. E. B. B. Smart: Pipe, and Bird Snare, Burma.
- Mrs. E. Smith: *Chlamys dichrous*, and several other rare deep-water molluscs from Stomach of Blue Cod, Stewart Island.
- Mr. W. R. Smith: Ethnographical specimens from Aitutaki.
- Mr. A. Snowball: Fragment of a British Shell fired at the Gate Pa.
- Mr. Edgar Stead: *Ostrelata macroptera* Grey-faced Petrel.
- Mr. W. B. Stewart: Geological specimens. Napier.
- Mr. J. Stewart: Four Greenstone *hei tiki* and Greenstone Pendants. Deposited.
- Miss F. Strudwick, M.A.: Very handsome old Embroidered Paisley Shawl. Scotland.
- Mr. A. Suter and Mr. V. Fisher: 15 specimens of rare land mollusc, *Rhytida dunniac*.
- Mr. C. Shipherd, per Miss Shipherd and Messrs. Frank and Stanley Shipherd: Collection of Maori articles: Spades, Bowls, and Adzes from swamp and fields at Puni.
- Mr. A. Sinclair: Stone Adze and Stone Flake found about 1ft. underground in Burgoyne Street.
- Mr. G. Sinclair: Maori Stone Adze found in sea between rocks at Brown's Bay.
- Mr. A. G. Stevenson: Over 50 specimens of fossil plants from Tertiary volcanic tuffs, and series of bivalve molluscs, *Acar sociella* and *Cardita brookesi*.
- Mr. J. Stewart: War Stamps and copy of "Weekly News" "Roll of Honour" for 1915.
- Miss Stevens: *Declana atronivea*.
- Master R. Story: Stone Adze. Deposited.

- Mrs. Piki Tawhaki Tamehana: Several plaited Kits and samples of the material used in making them.
- The Chief Mahaki Tapiki: Long Pigeon Spear found at Te Puna, Lake Waikaremoana.
- Messrs. Tanfield & Potter: Plate commemorating the bicentenary of Wedgwood's birth.
- Mr. J. P. M. Tapp: Matai Root parasitised by *Dactylanthus taylori*, showing wooden roses or root scars.
- Mr. R. Tapper: Series of Adzes from Southland, also two specimens of fossil mollusca, *Galeodea* and *Dentalium*. Miocene-Oligocene. Waikaremoana.
- Taupo Totara Timber Co.: Planks of Burr Totara and of Wavy Rimu, Mokai.
- Mrs. Minnie Taylor: Japanese double-spouted Vase. Deposited.
- Mr. T. Thomas: Fine old *tatua* Plaited Belt.
- Miss Thompson: Wooden Shovel dug up from 15 feet of silt at Pukepoto.
- Mr. A. A. Thompson: Rat (*Melomys stalker*), British Solomon Islands.
- Mr. A. Tilly: Specimen of *Muraenichthys breviceps* Juv., Kaipara Heads.
- Mr. S. J. Tisdall: Stone Anchor, found off Owataiuru, Lake Rotorua, and Fishing Weight, at mouth of Wai-iti stream, Lake Rotoiti.
- Mrs. Mary L. Tweedie: Shakespeare Commemorative Medal engraved by F. Boucher, 1911.
- Mr. J. Torkington: Large specimen of Sun-fish, *Mola mola*.
- Mr. W. Traves: Tail of very large Stingaree. Motutapu.
- Mr. T. S. Tippetts: War Documents, including maps and British balloon photographs.
- Mr. R. W. Uncles: Necklace (Roman period) of 36 beads and 1 small Ivory "Tett" Amulet. Egypt.
- Mr. W. B. Upton: Back Scratcher, Kwansu District, China.
- Mr. W. W. Upton: Egg of Dotterel, Ohiwa Beach.
- Mr. E. Earle Vaile: Grey Ducks, *Anas superciliosa*; Leg bones, pelvis ribs, and sternum (part) of one of the smaller species of Moa.
- Mr. H. E. Vaile: Two fine Ear-pendants Tangawai (curved) and Inuanga, wooden patu with square hole; greenstone adze of unusual form and of evident age; greenstone adze of fine kawakawa stone; greenstone adze and pendant; also small stone adze; greenstone chisel-adze of unusual shape, *patu muka* flax beater, fine Maori paddle, 1 Kafir knob kerri, 1 Kafir chief's staff; Onewa Mere, bone toggle, curiously formed *hei tiki*, greenstone chisels, adze and scrapers and 2 stone adzes from Rotorua; worked Moa Bone, and other implements; Tridacna Shell Gouge; also a series of molluscs, including specimens from Cape Maria van Diemen, Kahurangi Pt. and Queensland; and fossils from The Nuggets, Raurimu Spiral, and Waitakerei Tunnel; Stone adze, large collection selected implements and ornaments in greenstone, stone bone and shell; valuable Maori greenstone ornaments, shell pendant, and carved wooden adze handle from Hokianga, Bay of Islands, and North Cape; Taiaha; also set of Moa Crop-stones collected in 1896 by the donor.
- Miss Marjorie Vaile: Nat—a horned idol of the semi-pagan tribes of N. Burma.
- Mrs. Florance Vercamer: Maori articles from North Auckland.

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- Mr. Harold Vipond: Specimen of Antipatharian with Brittle-stars entwined.
- Mr. A. H. Voyce: Collections of Coral and Shells and specimens of Vegetable Ivory, also small collection of shells.
- Mr. Hiri Waititi: Fine Carved Bone Fish-hook, 2 small Stone Adzes and spiny Sea-horse.
- Mr. Walker: Specimen of *Hippocampus abdominalis*.
- Miss Walshe: 3 pieces of *tapa* cloth.
- Mr. E. C. Walter: Two specimens of Tasmanian Wasp's Nest.
- Mr. E. C. Walton: Double Nest: Thrush and Blackbird, with four eggs of former and three of latter.
- Messrs. Ward Bros.: Greenstone *Matau* Adze and Flax Scraper, also Black Stone Spindle. Deposited.
- Rev. H. N. Webster: Dried specimen of *Lepidosteus osseus* and fossil fragments from same species of fish.
- Mr. W. H. White: 4 Pottery Sherds, Roman, from Newark-on-Trent.
- Messrs. H. P. and A. W. White: Sword and Saddlery of Capt. (later General Sir Robert) White, 17th Lancers, used in charge of the Light Brigade. Deposited.
- Mr. H. White Wickham: Record Mako Shark, 798lbs. Piery Island.
- A War Widow: British Helmet and Water Bottle from the Somme Field, 1927.
- Mr. H. P. Wilkinson: Portion of carved Prow of Canoe.
- Mr. Barney Williams: Shells from the stomach of Blue Cod caught in Cook Straits.
- Mr. Williams: *Xenophalium cf. finlayi* Iredale—rare gastropod mollusc.
- Mr. J. Williams: Replacement Quartz from 800 feet level, Waihi Grand Mine, 1910. Deposited.
- Mr. Richard Williams: Two *ko*; digging sticks found in a swamp at Otautu, Coromandel.
- Mr. A. R. Wilson: Large collection Badges, Buttons, Belt with Badges, Cartridges and some Coins collected on Gallipoli and the Western Front.
- Mr. R. Wilson: Greenstone Chisel and Pendant.
- Mr. W. Wilson: Maori Adze and Volcanic Bomb, found together 3 feet below the surface.
- Mr. A. S. Wilson: Nest of Oven Bird, *Furnarius rufus*, also four Skins, Argentine.
- Mrs. N. Wilson: Fine specimen of *Spondylus princeps*, Gulf of California.
- Mr. J. W. Wilson: A series of the bivalve mollusc *Taurea spissa* from Ruakaka Beach, also of *Alcithoe arabica*.
- Mrs. R. Wilson: Specimen of Limonite.
- Mr. D. H. Woolnough: Embroidered Satin Coat.
- Mr. Wm. Wrathall: Stalactites from deposit in bank at Cooper's Beach.
- Mr. R. B. Wright: Skins of Turnstone.
- Auckland Zoological Park: 7 Birds, 6 Mammals, and 1 Lizard, including Sea Lions, Hippopotamus, Argus Pheasant, and Flamingoes.



## Members of the Auckland Institute.

(Members are requested to advise the Secretary of any change of Address)

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Sir Cecil Leys

Mr. H. E. Vaile

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McMillan, G. A.  
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| Geddes, A.                                  | Hogwood, D.                       |
| Geddes, R.                                  | Holderness, D.                    |
| Gibbons, Ernest H.                          | Holdsworth, W. J.                 |
| Gibson, Noel, M.A.                          | Holland, J. C.                    |
| Gilfillan, H.                               | Holmden, Dr. H. F.                |
| Gill, H. N.                                 | Horsley, A. J.                    |
| Gillies, A. W.                              |                                   |

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Hume, Alan.  
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O.B.E.  
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Jackson, Thornton.  
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Johnston, W. H. O.  
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Noakes, B.  
Noonan, Dr.

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Oram, N. P.  
O'Ryan, Wm.

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Peat, F. O.  
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Pezaro, Dr. M. G.  
Phillips, Louis, LL.B.  
Phillips, W.

Pike, A. L.  
Pinel, H. G.  
Pond, J. A., F.C.S.  
Potter, E. H.  
Potter, R. H. A.  
Potter, S. D.  
Potts, N.  
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Powell, A. W. B.  
Powell, F. E., C.E.  
Prins, Dr.  
Prosser, T. C. W.

Radcliffe, C. B.  
Rainger, W. J.  
Ralph, W. J.  
Ratcliffe, Norman.  
Rawlings, G. B.  
Rawnsley, S.  
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Reed, F. W.  
Reed, Hon. Mr. Justice.  
Reed, Stanley.  
Rennie, J. M.  
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K.B.E., C.B., C.M.G.  
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Robertson, Dr. E.

Robertson, Jas.  
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F.N.Z.Inst.

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Shannon, J. W.  
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Shepherd, Dr. F. G.  
Short, W. F., D.Sc.  
Shrewsbury, H.  
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Simmonds, L.  
Simson, T.  
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Sladden, Bernard.

Smith, F. W.  
Smith, S. A.  
Smith, Mrs. W. H.  
Smith, W. Todd.  
Somerville, Dr. J.  
Somerville, J. M.  
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Stevenson, J. P.  
Stewart, R. Leslie.  
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Sweet, Dr. Bruton.  
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Talbot, Dr. A. G.  
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Taylor, Norman H.  
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M.A., F.L.S., F.N.Z.Inst.  
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Thomson, W. J. A.



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Thornes, J.  
Tilly, C. S. R.  
Towle, R. P.  
Trevithick, Cecil.  
Tunks, C. J.  
Tyler, J.

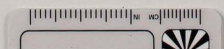
Uhlmann, Miss J. L.  
Upton, P. T.  
Utting, H.

Wade, Dr. Wallace  
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Walker, Miss A.  
Walker, A. Greville.  
Walkley, H.  
Wallace, D. B.  
Wallace, T. F.  
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Warnock, A. E.  
Warnock, J. A.  
Waters, M. M.  
Watt, A. H.  
Webb, C. H.  
Wells, J. F.  
West, F. L. G.  
Whetter, Dr. D. H.  
Whitecombe, Hugh.

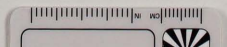
White, George M.  
White, P. C.  
White, R. W.  
Whitley, W. S.  
Whitney, C. A.  
Wilding, H.  
Williamson, C. R.  
Wilson, Andrew.  
Wilson, C. A.  
Wilson, Mrs. Gilbert.  
Wilson, G. H.  
Wilson, J. A.  
Wiles, H. O.  
Wily, H.  
Winkelmann, H.  
Winstone, G.  
Wiseman, P.  
Wiseman, J. W.  
Woodhead, Miss L.  
Woollams, H.  
Worley, Professor F. P., M.A.,  
D.Sc.  
Worley, R. P.  
Wright, Hugh.  
Wright, Hugh C.  
Wright, R.  
Wright, R., Jun.  
Wright, R.

Yates, Miss Dorothy.

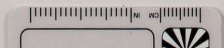
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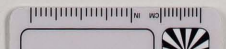
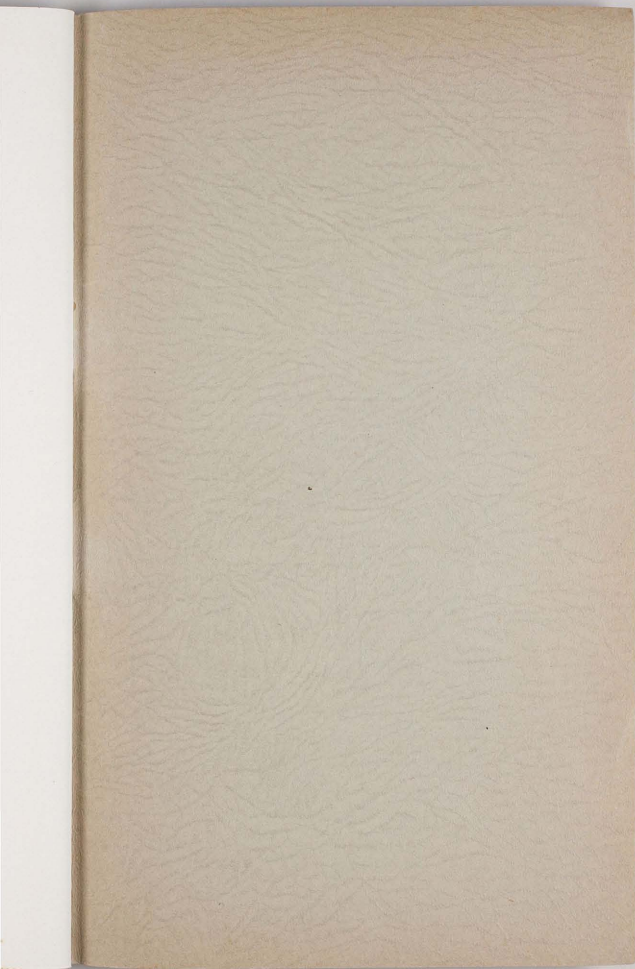
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